

Figure 1A

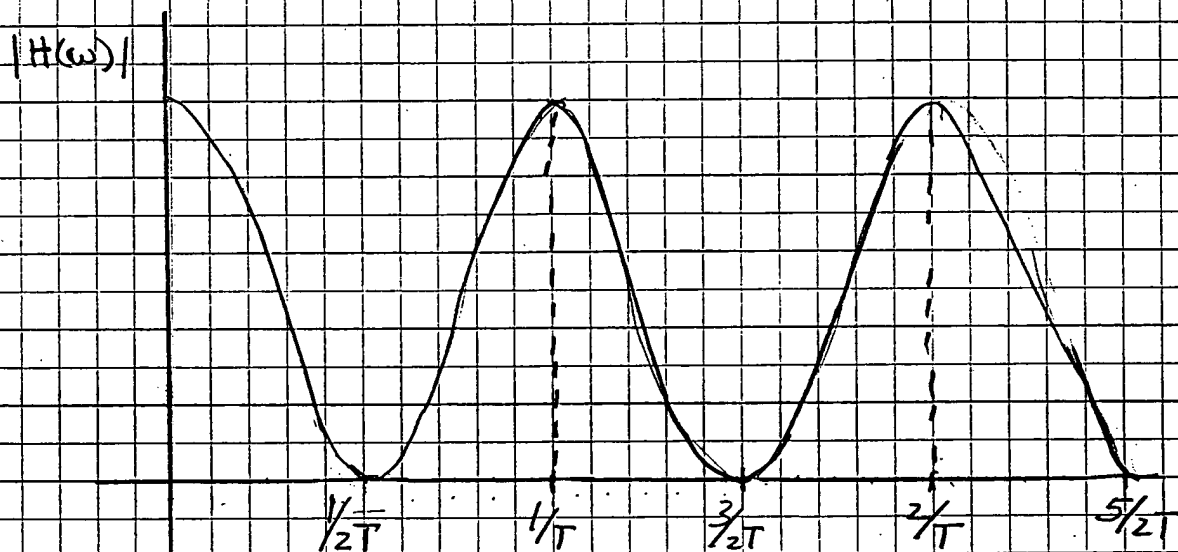


Figure 1B

TITLE: METHOD, APPARATUS AND SYSTEM
FOR HIGH-SPEED TRANSMISSION ...
INVENTOR: AGAZZI
APPLICATION NO.: UNASSIGNED,
CONF. NO. ; DOCKET NO. 13449US06
ATTORNEY: JAW, PHONE: 312-775-8000

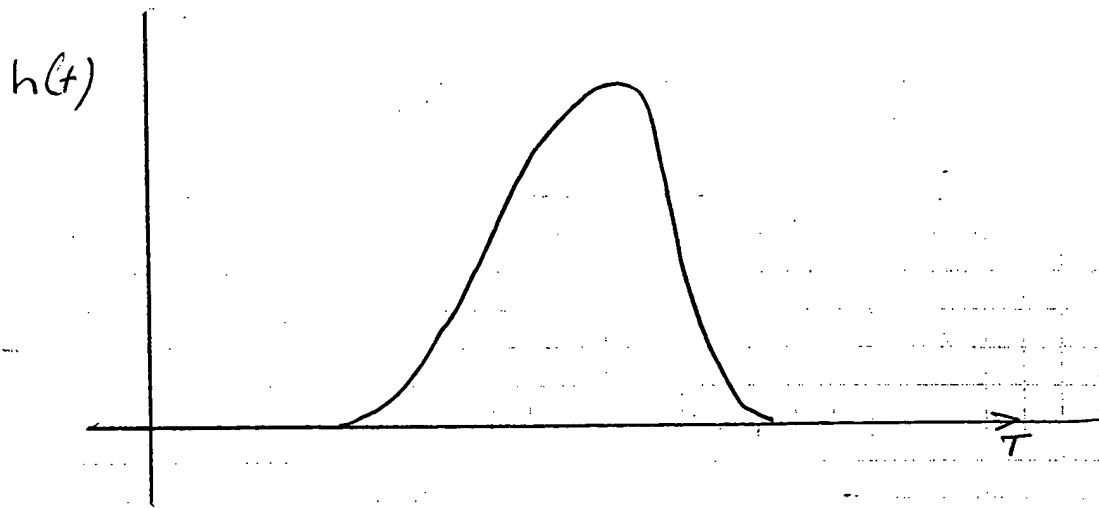


Figure 1C.

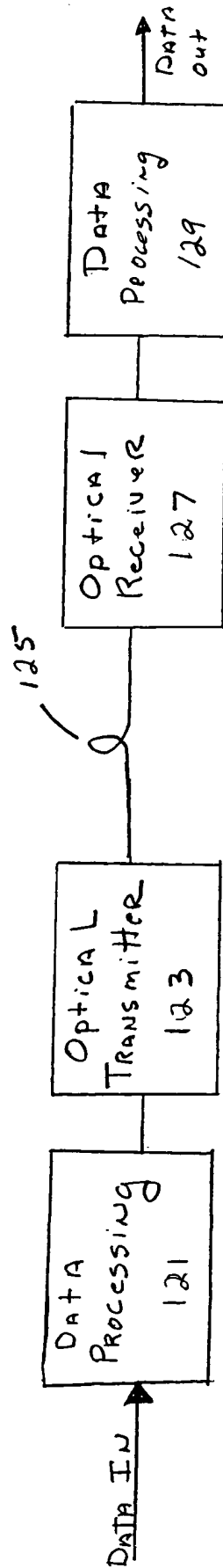
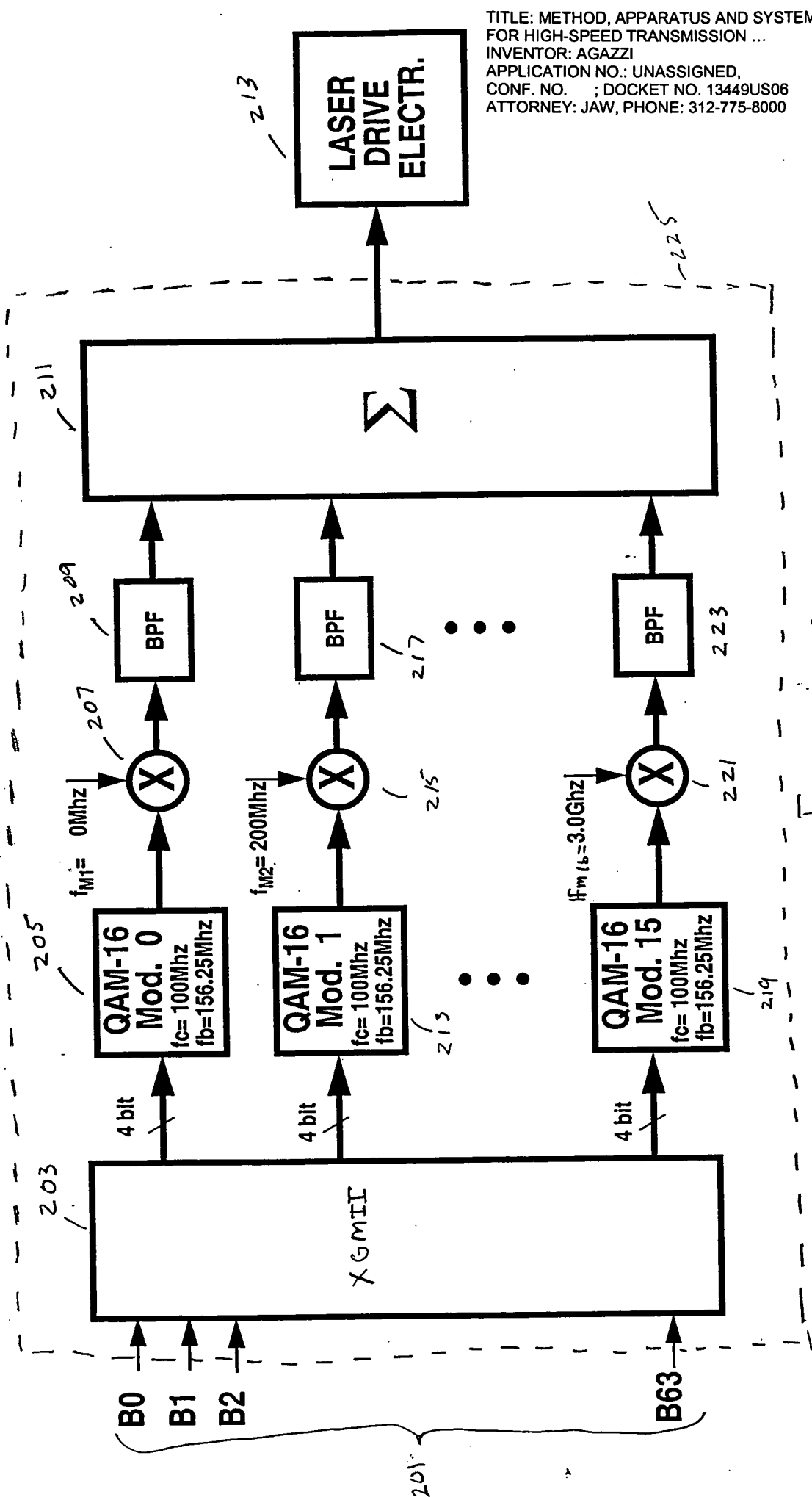
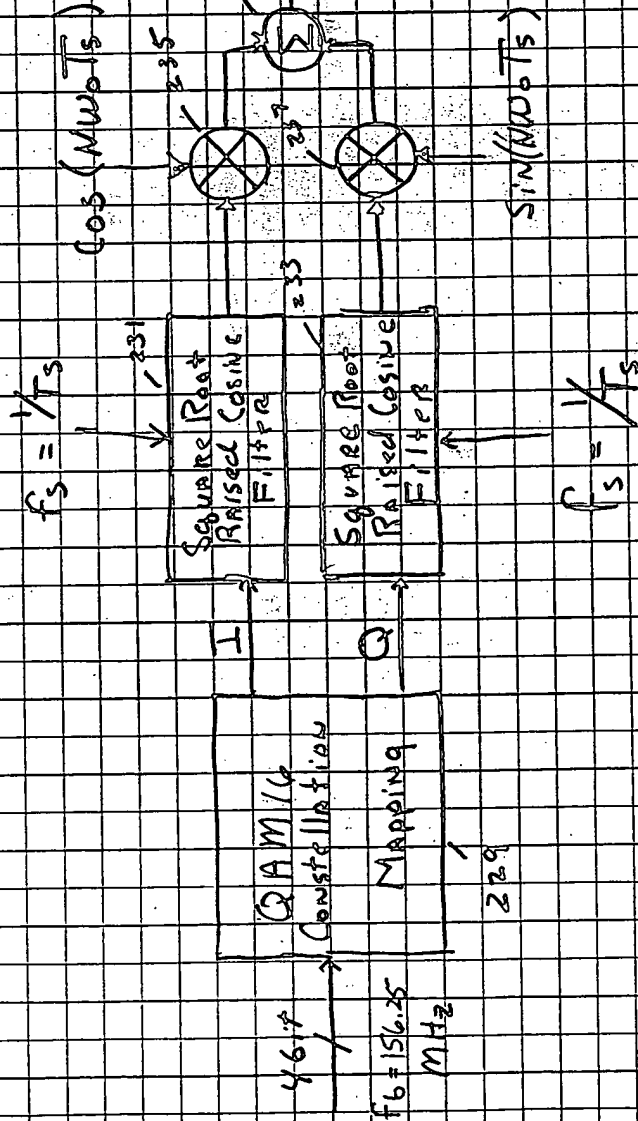


Figure #1D

Multicarrier Modulation Block Diagram (Transmitter)

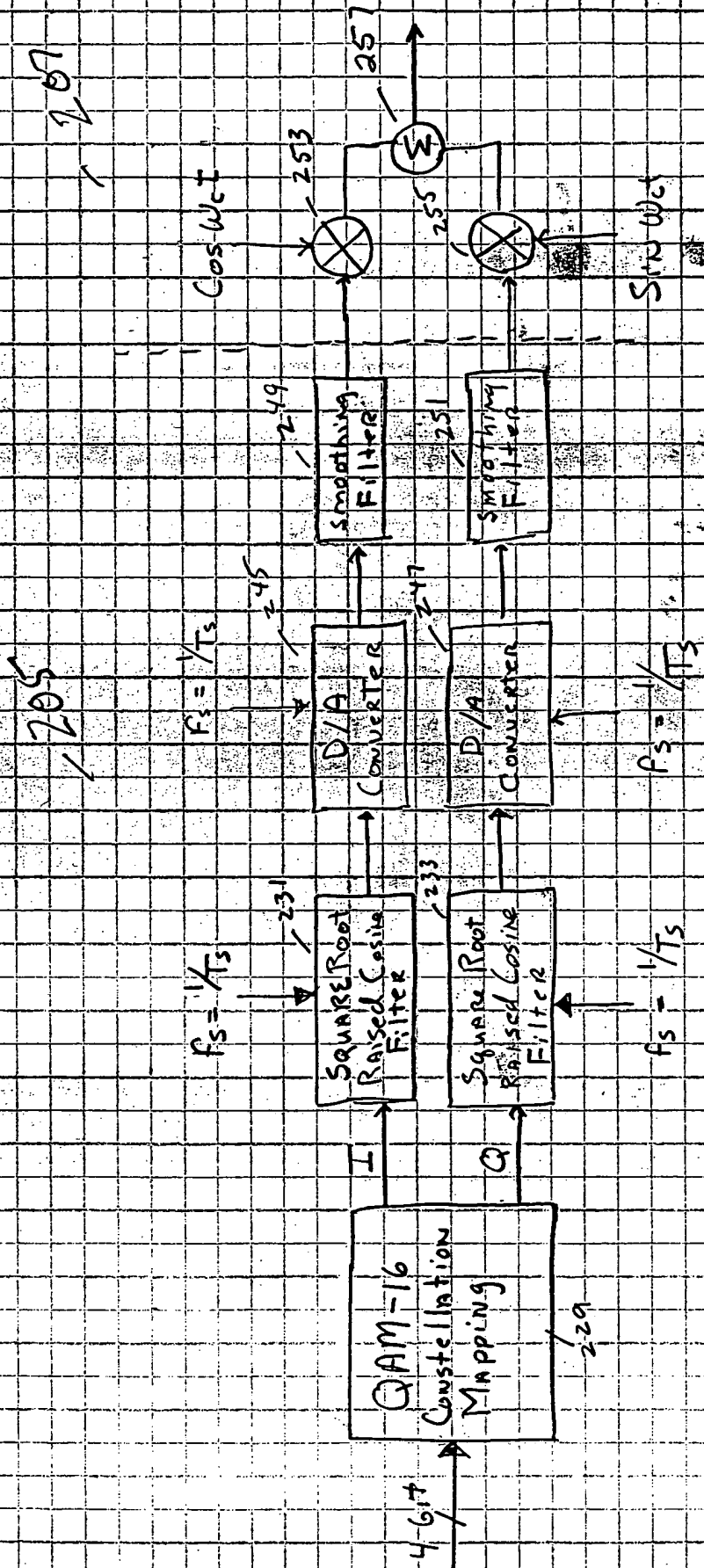


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$T_s = \text{Sampling Period} - \text{Digital}$
 $\omega N = 2\pi f_s = \text{digital carrier angular frequencies}$

Figure 2B



T_s = Sampling period for DSP blocks
 $\omega_{ce} = 2\pi f_c$ = Analog carrier angular frequency

Figure 2C

Multicarrier Modulation Block Diagram (Receiver)

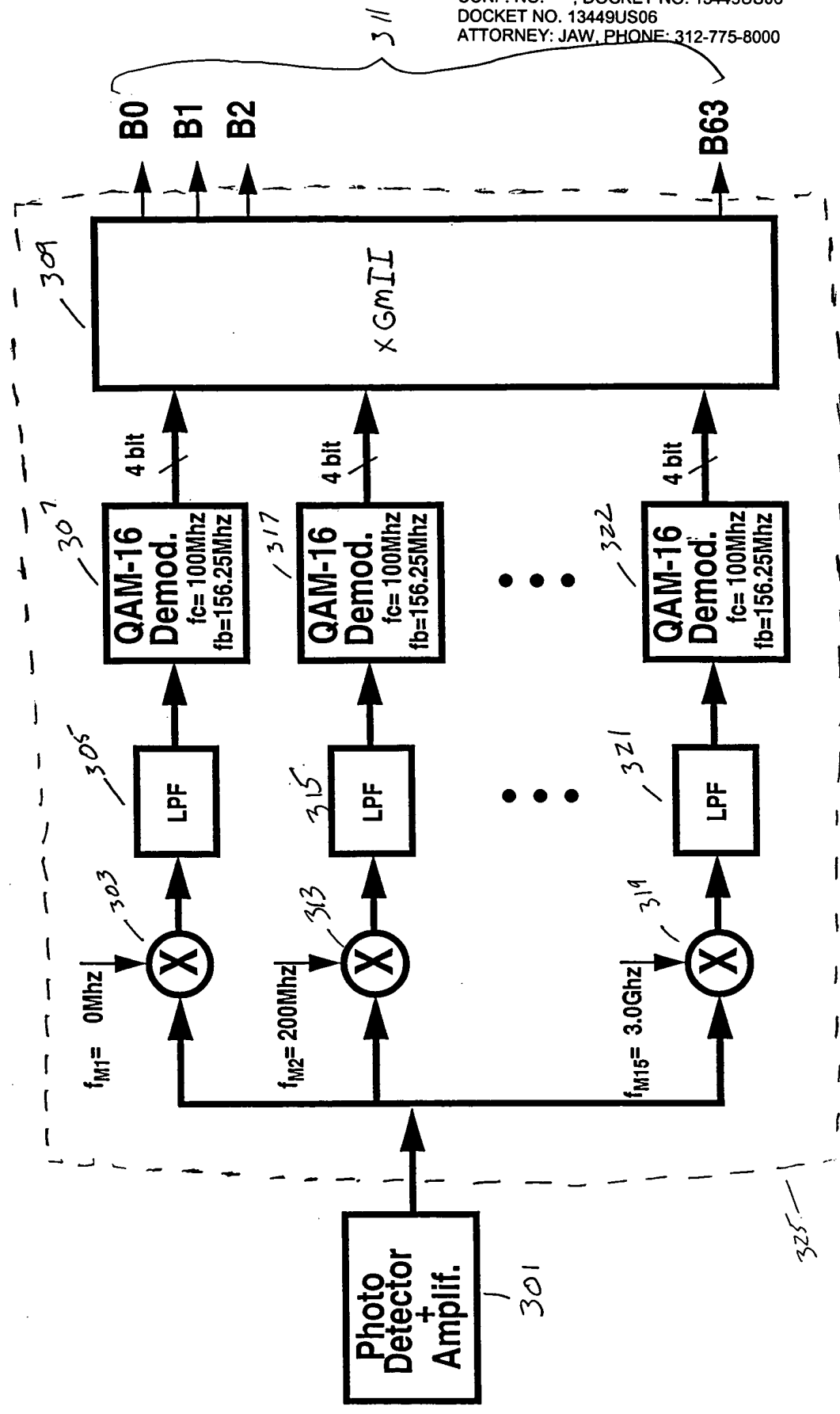


Figure 3

Alternative Implementation of Multicarrier Modulation (Transmitter)

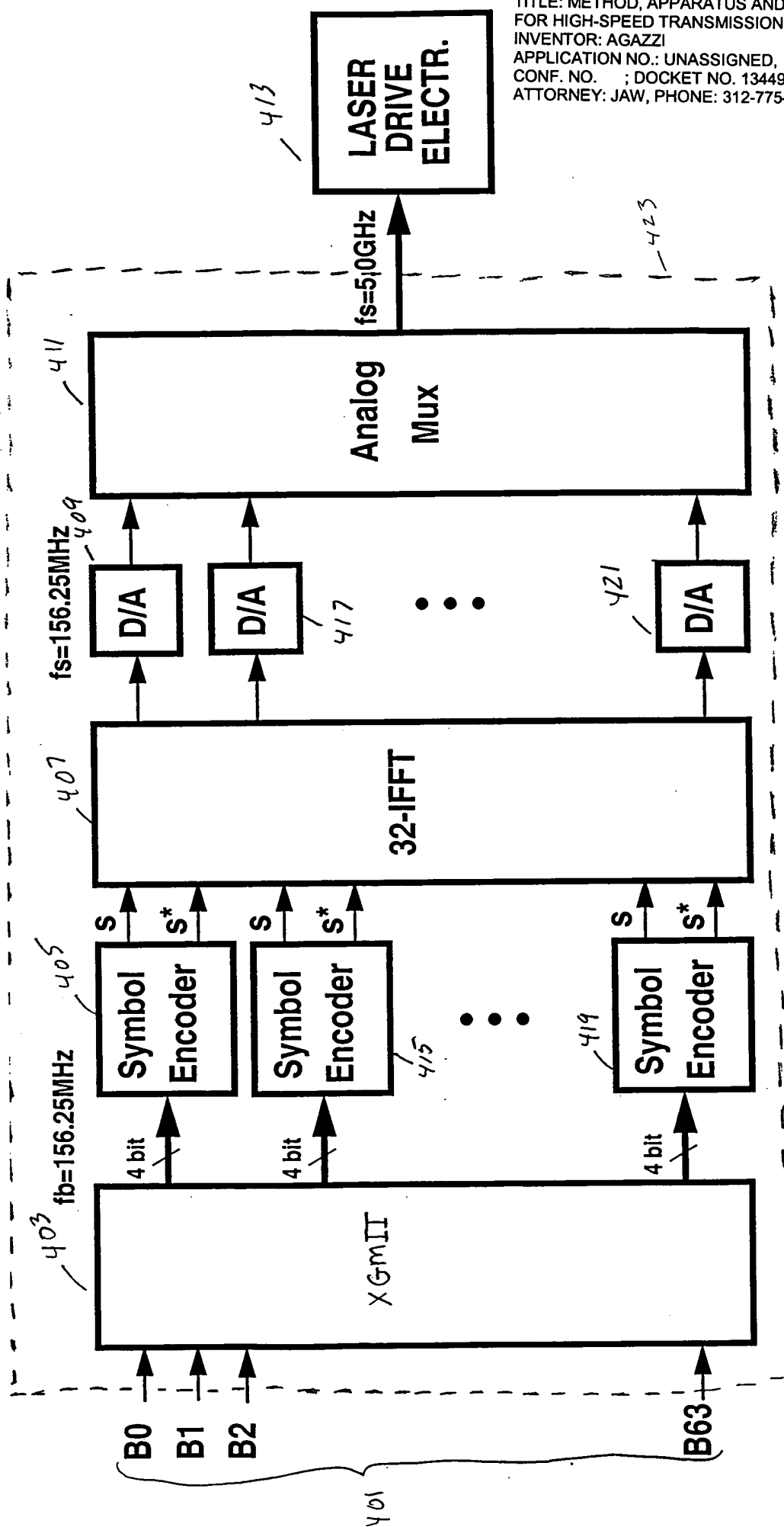


Figure 4

TITLE: METHOD, APPARATUS AND SYSTEM
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APPLICATION NO.: UNASSIGNED,
CONF. NO. ; DOCKET NO. 13449US06
ATTORNEY: JAW, PHONE: 312-775-8000

Alternative Implementation of Multicarrier Modulation (Receiver)

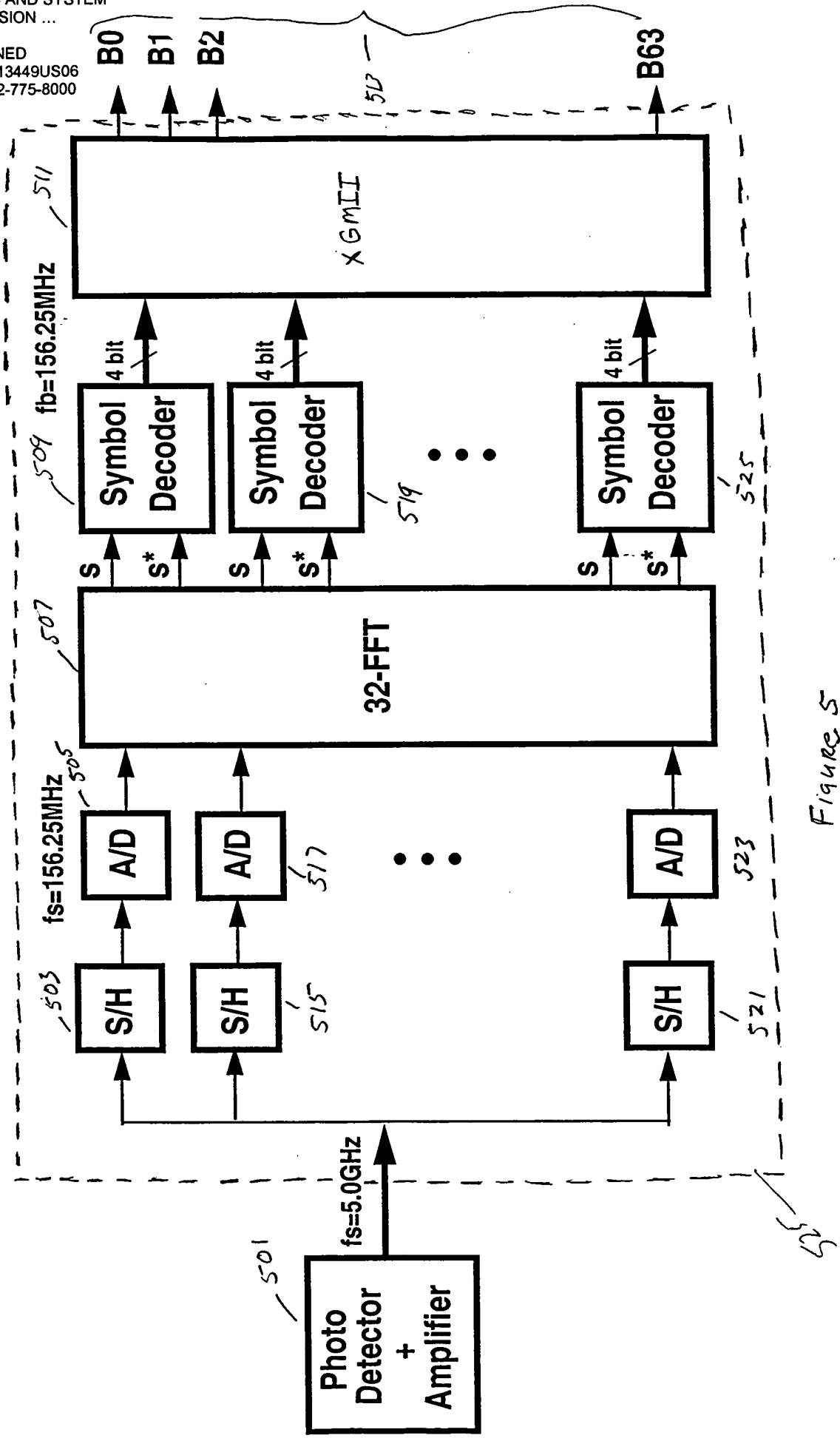


Figure 5

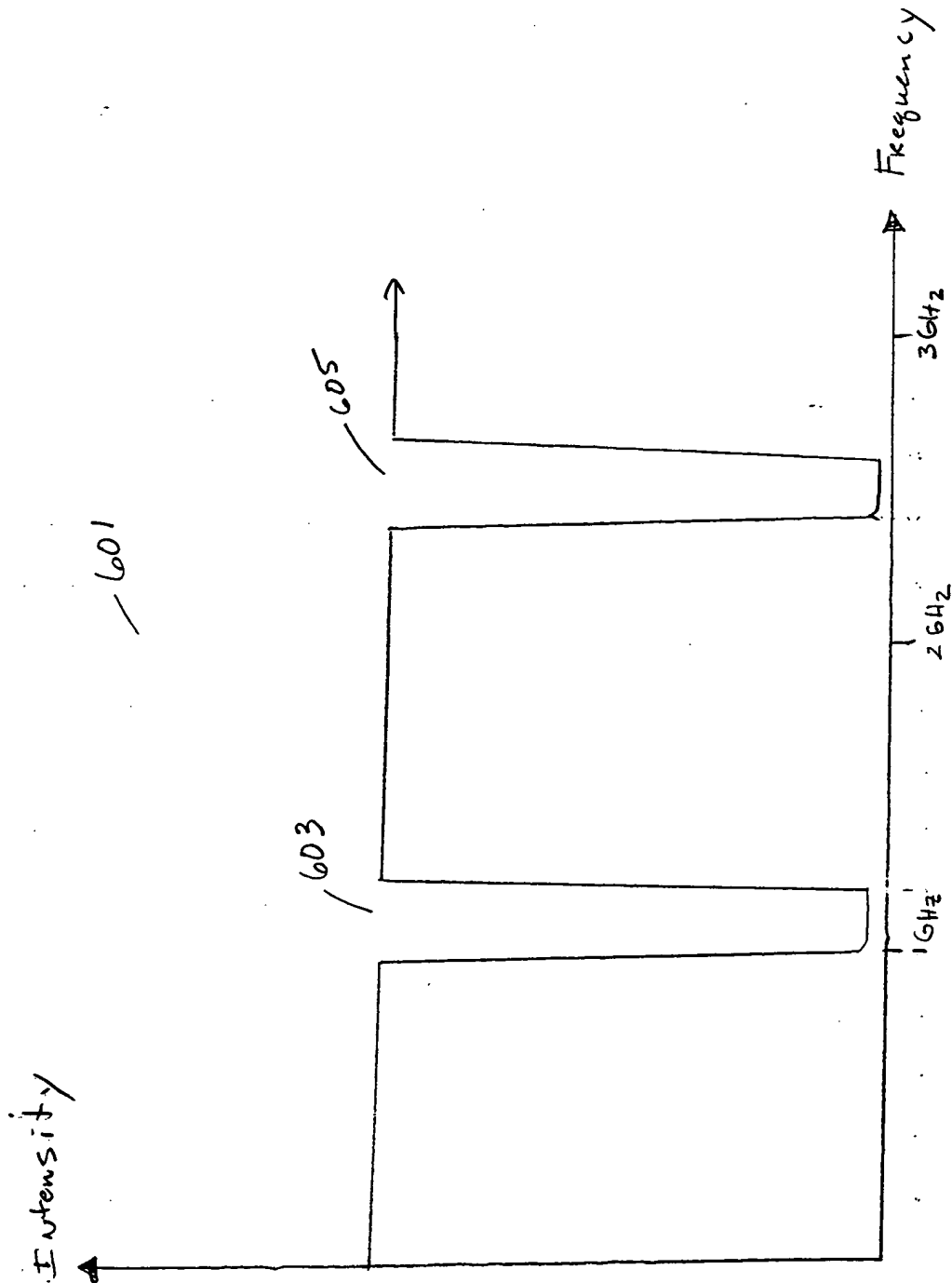


Figure 6

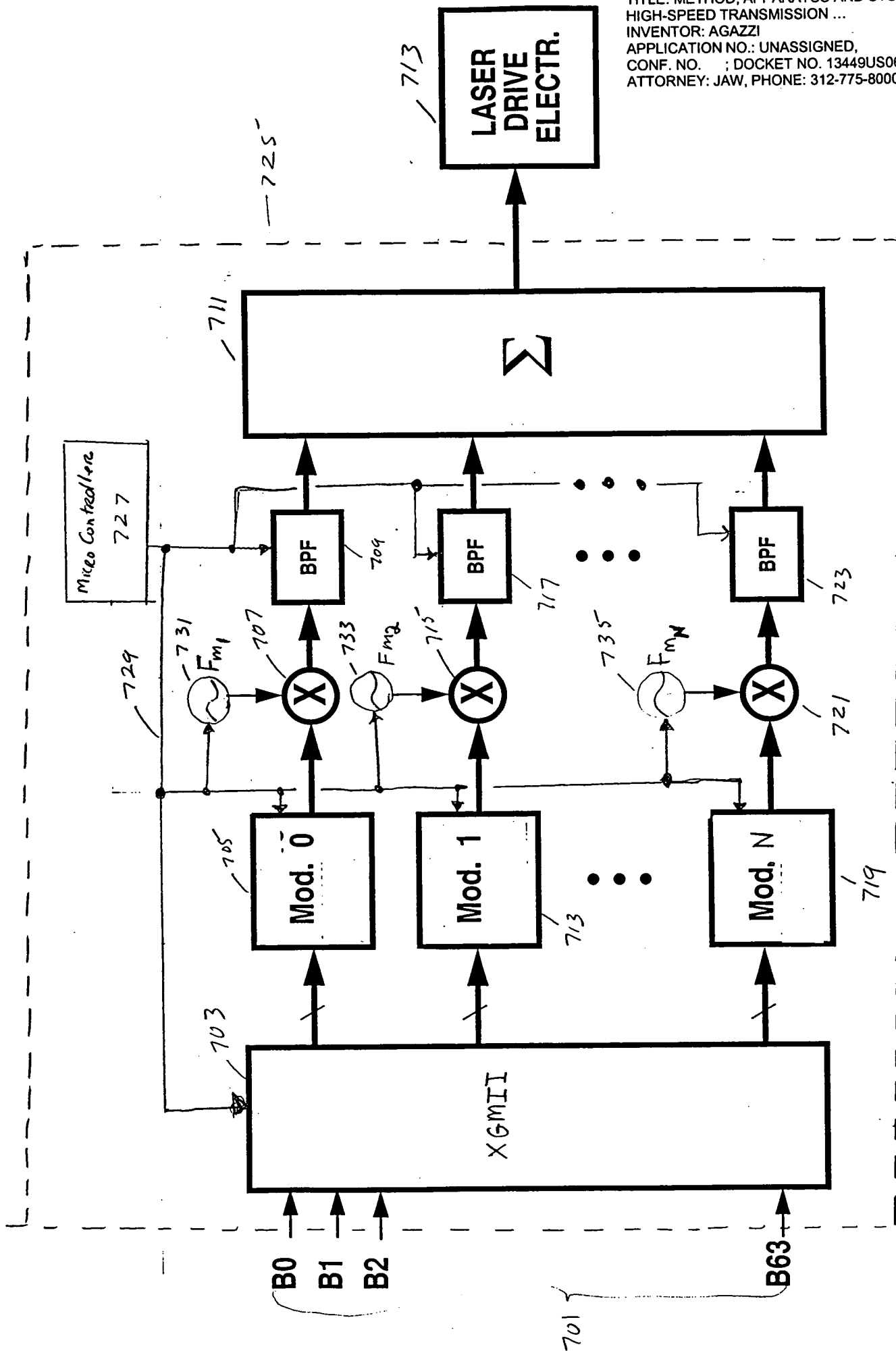


Figure 7A

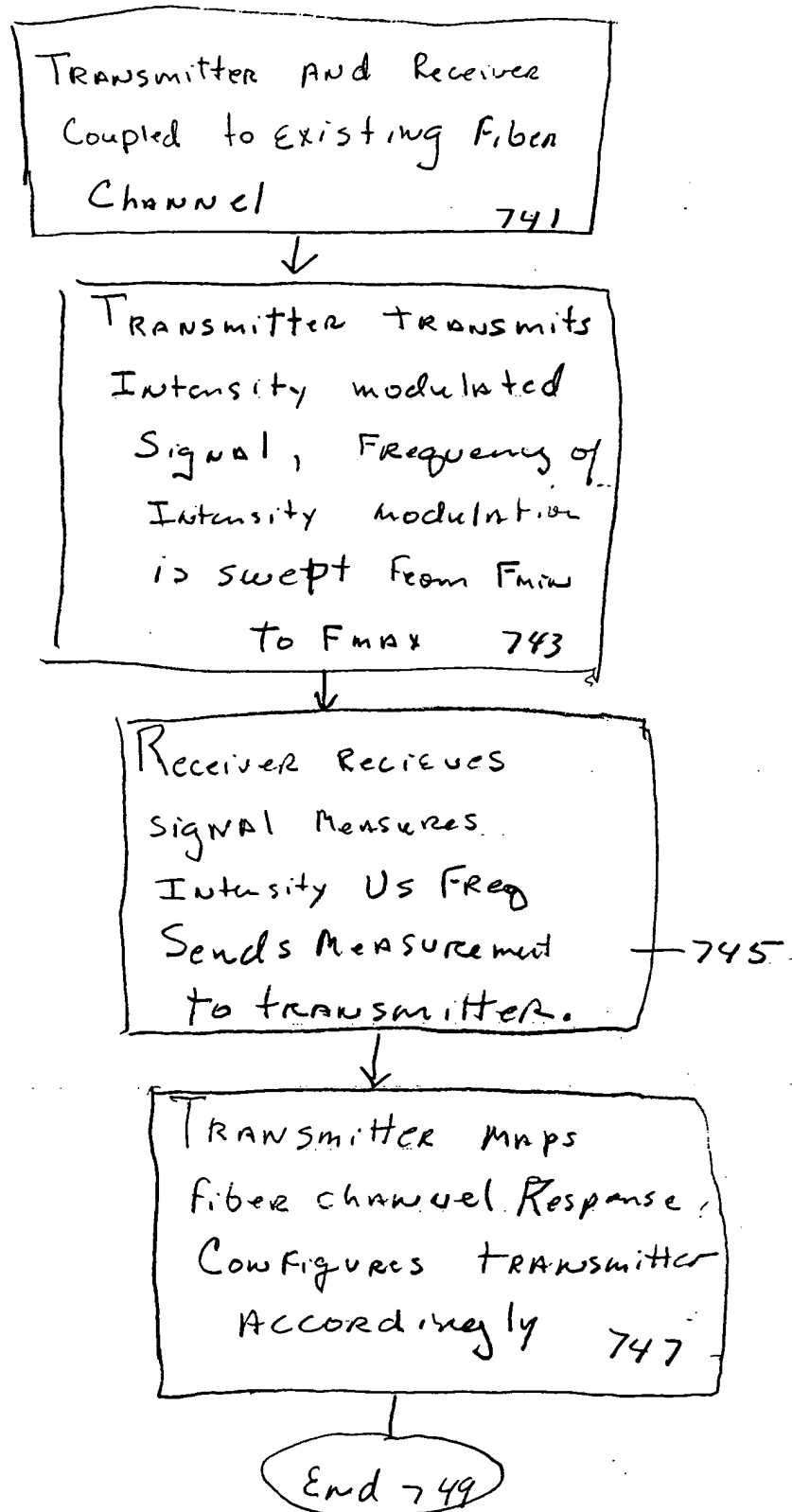


Figure 7B

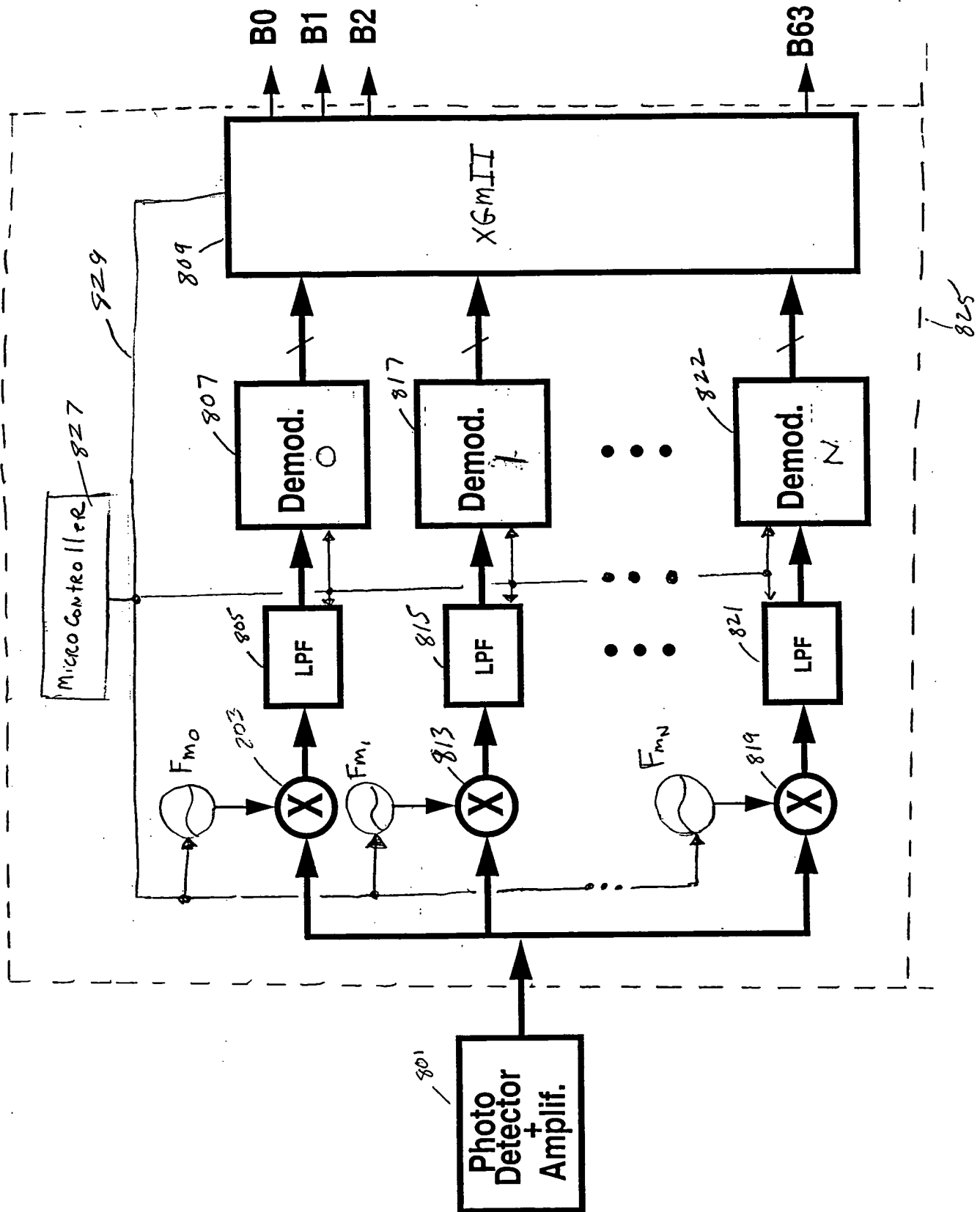


Figure 8

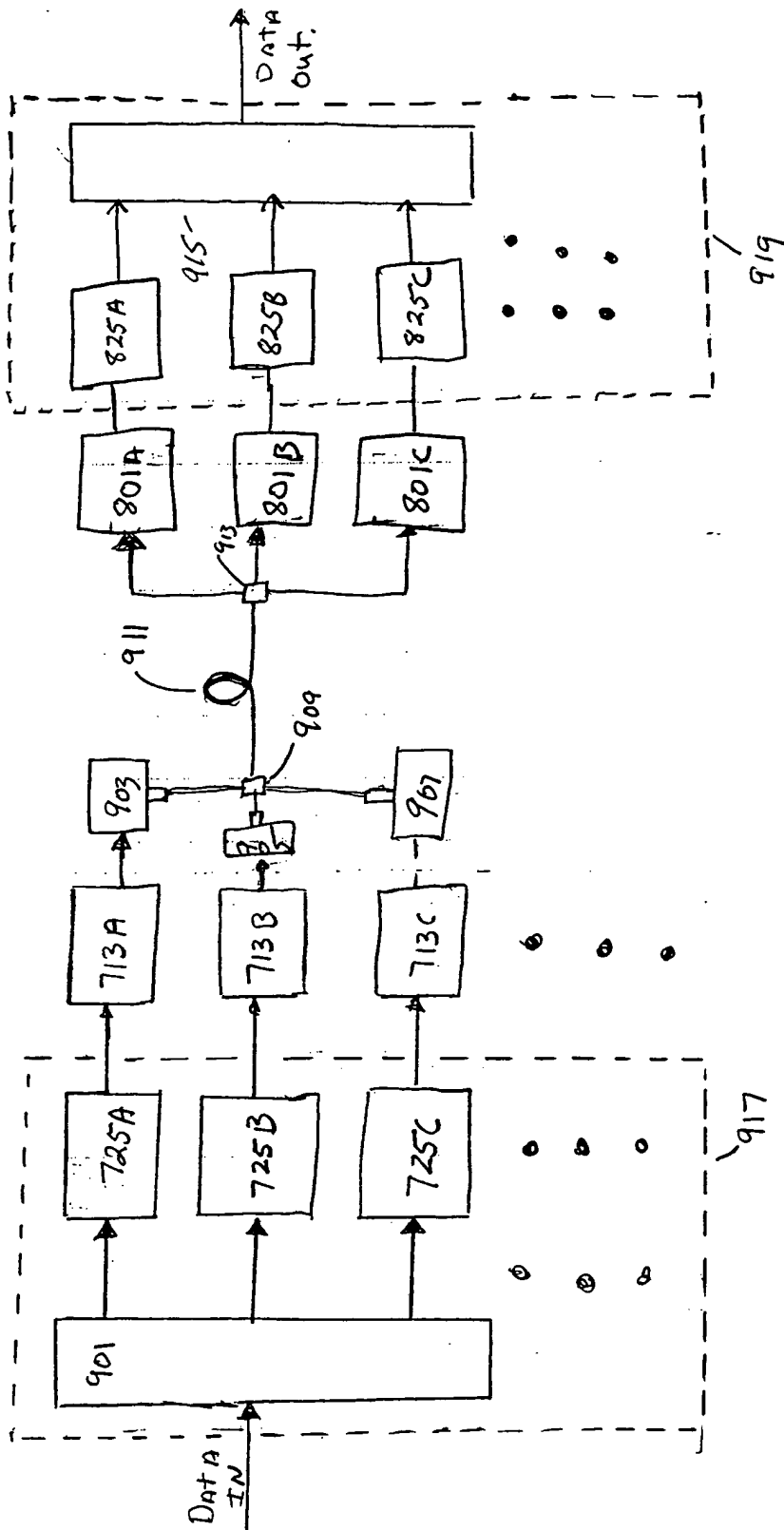


Figure 9

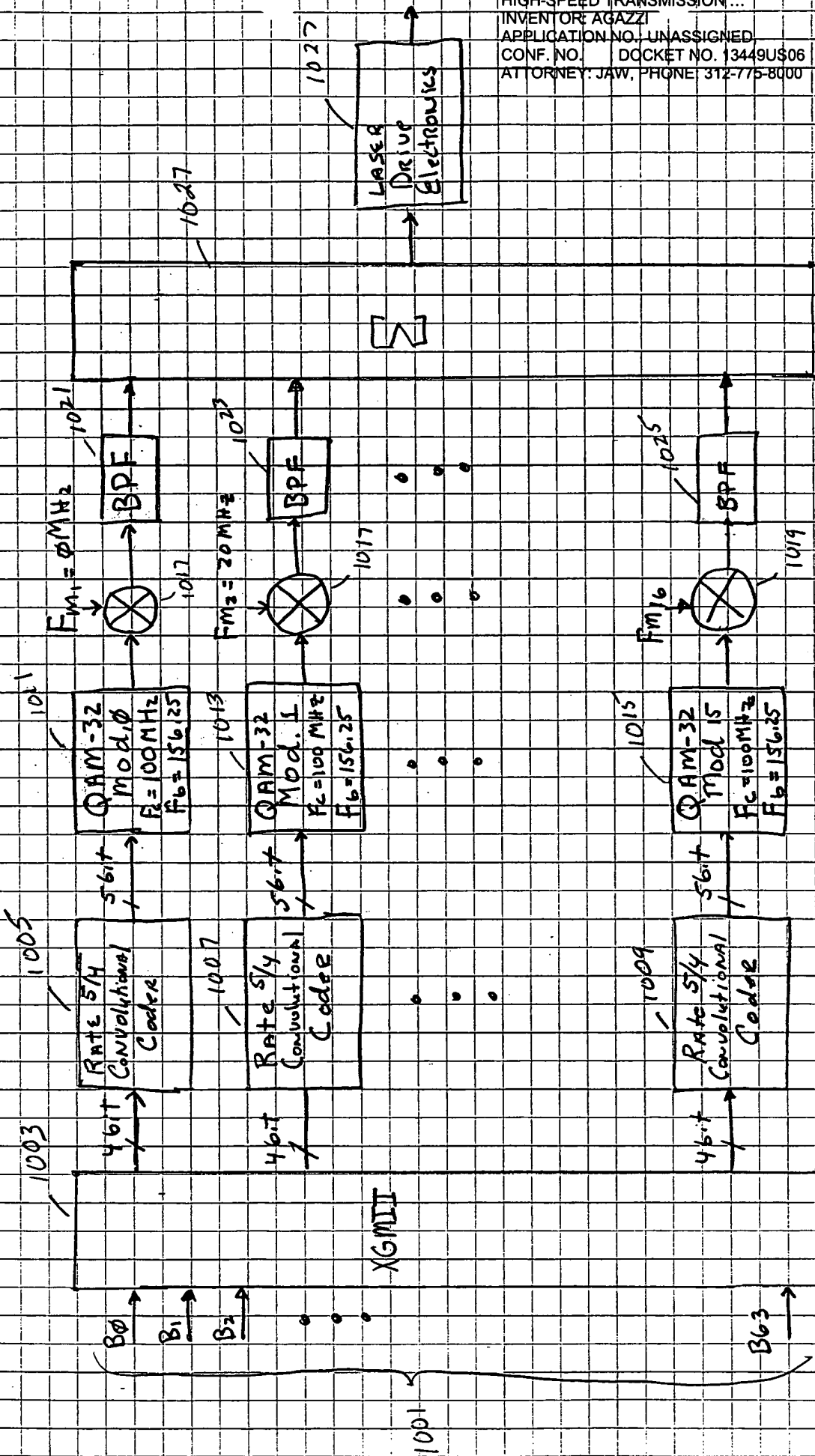


Figure 10

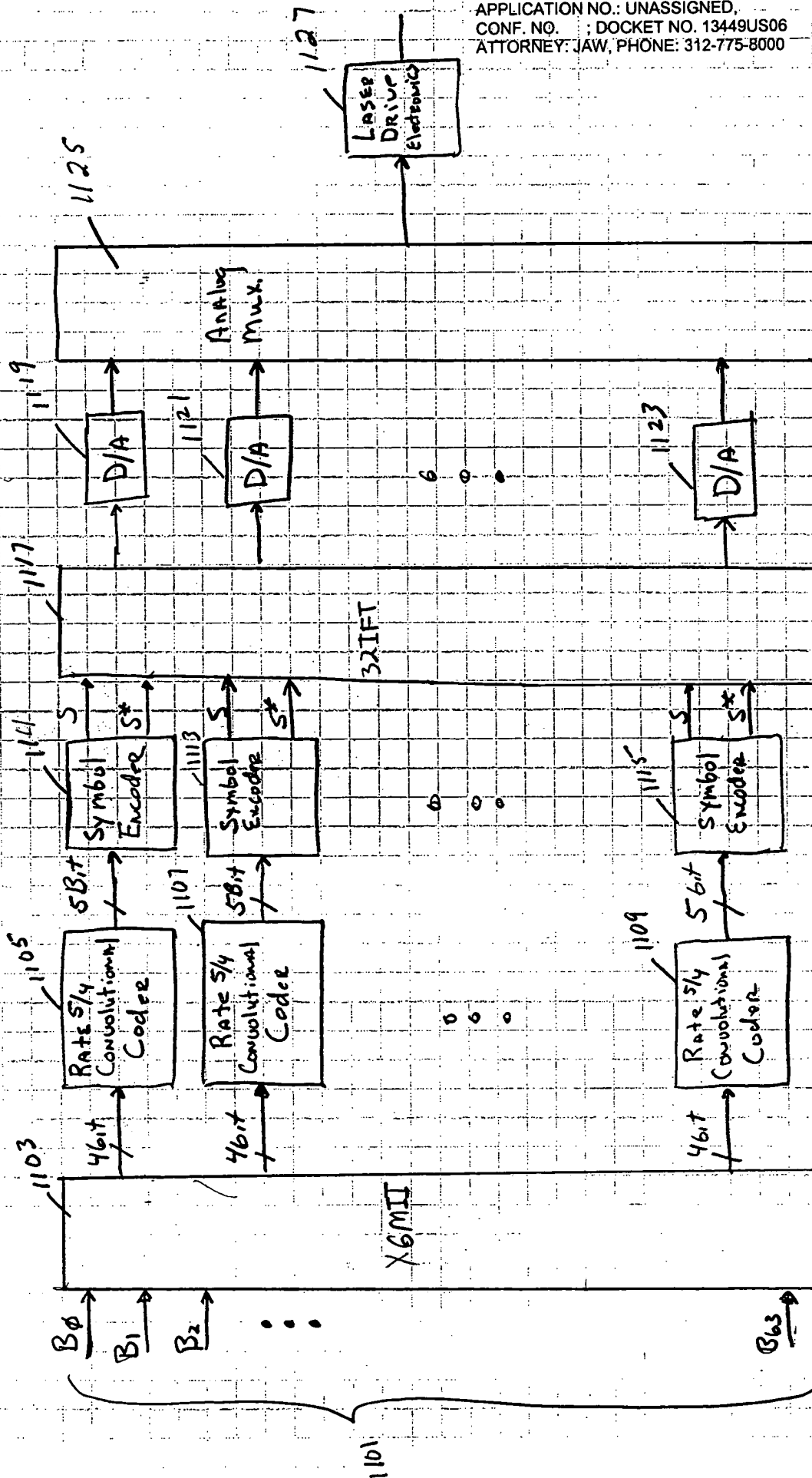


Figure 11

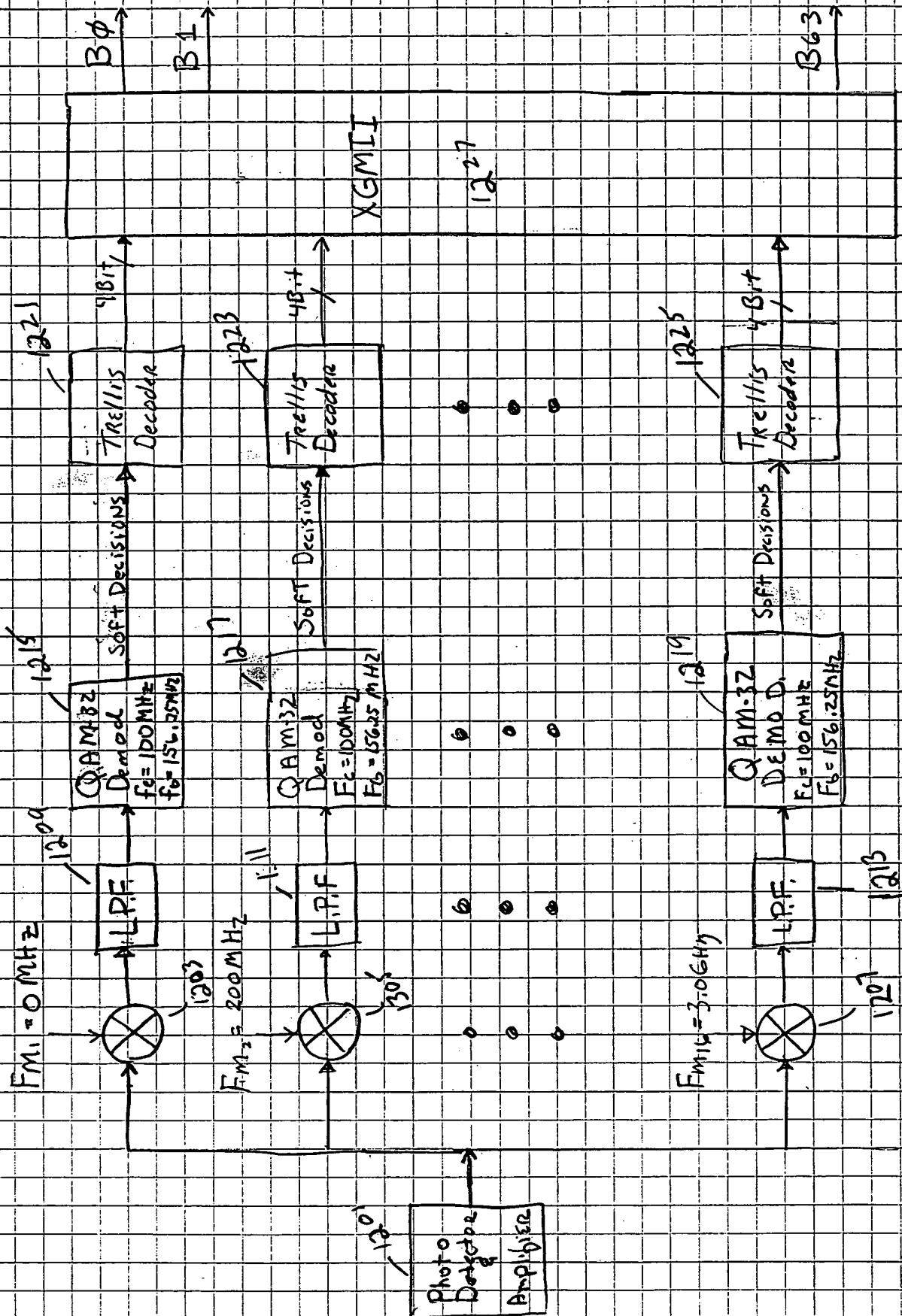


Figure 12c

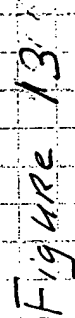


Figure 13